

Listing of Claims:

1. (Currently Amended) A process for the production of a multi-structural filament containing a single ingredient and having improved mechanical properties as compared to conventional monofilaments consisting of the same ingredient, comprising:

extruding the single ingredient through ~~two or more extruders in tandem~~ a first extruder and a second extruder, the ~~extruders~~ first extruder having ~~different~~ a first extruder flow path and the second extruder having a second extruder flow path that is isolated from the first extruder flow path, and

~~then~~ advancing the single ingredient in the isolated first and second extruder flow paths through ~~the same~~ a common die pack having ~~two or more different~~ a first die flow path for receiving the single ingredient from the first extruder flow path and forming a first region of a filament and a second die flow path for receiving the single ingredient from the second extruder flow path and forming a second region of a filament, ~~the single ingredient flowing in at least one flow path being isolated from the single ingredient flowing in the remaining flow paths; wherein the single ingredient in the first extruder flow path of the single ingredient from one of the extruders provides~~ is subjected to less shear than does the single ingredient in the second extruder flow path for the same ingredient from the other extruders, thereby providing a filament having ~~two or more~~ first and second distinct regions within the cross section of the filament, ~~each~~ the first distinct region having a different morphology from ~~any other~~ the second distinct region and wherein each ~~region~~ of the first and second distinct regions of the filament comprises at least about 7 percent by volume of the filament.

2. (Original) The process according to claim 1, wherein the single ingredient is selected from the group consisting of polyamides, polyesters, polyolefins and high performance thermoplastics.

3. (Original) The process according to claim 1, wherein the single ingredient is a blend of materials.
4. (Original) The process according to claim 1, wherein the single ingredient is a copolymer.
5. (Original) The process according to claim 1, wherein the single ingredient is polyphenylene sulfide.
6. (Original) The process according to claim 1, wherein the single ingredient is a nylon copolymer.
7. (Original) The process according to claim 6, wherein the single ingredient is nylon 6/66.
8. (Currently Amended) The process according to claim 1, wherein the first and second distinct regions of the filament are its sheath and core.
9. (Currently Amended) The process according to claim 1, wherein the first and second distinct regions of the filament are a core and four tips.
10. (Currently Amended) The process according to claim 1, wherein each of the first and second distinct regions ~~region~~ comprises at least 10 percent by volume of the filament.